

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/590,445 – Conf. No. 6734
				Filing Date	August 24, 2006
				First Named Inventor	Michael E. Jung
				Art Unit	1614
				Examiner Name	Savitha M Rao
Sheet	1	of	5	Attorney Docket Number 58086-235854	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A21	3,984,430	10-05-1976	CURRAN	
	A22	4,312,881	01-26-1982	WOOTTON	
	A23	4,873,256	10-10-1989	COUSSEDIERE et al.	
	A24	5,166,358	11-24-1992	SEURON et al.	
	A25	5,556,983	09-17-1996	CLAUSSNER et al.	
	A26	5,589,497	12-31-1996	CLAUSSNER et al.	
	A27	5,627,201	05-06-1997	GAILLARD-KELLY et al.	
	A28	5,646,172	07-08-1997	CLAUSSNER et al.	
	A29	5,958,936	09-28-1999	CLAUSSNER et al.	
	A30	6,107,488	08-22-2000	BOUCHET et al.	
	A31	6,235,910	05-22-2001	BELLER et al.	
	A32	6,242,611	06-05-2001	CLAUSSNER et al.	
	A33	6,472,415	10-29-2002	SOVAK et al.	
	A34	RE35,956	11-10-1998	GAILLARD-KELLY et al.	
	A35	2004/0116417	06-17-2004	BOUBIA et al.	
	A36	3,823,240	07-09-1974	SAULI	
	A37	4,234,736	11-18-1980	BERNAUER et al.	
	A38	4,304,782	12-08-1981	DUMONT et al.	
	A39	4,407,814	10-04-1983	BERNAUER et al.	
	A40	4,427,438	01-24-1984	NAGANO et al.	
	A41	4,473,393	09-25-1984	NAGPAL	
	A42	4,482,739	11-13-1984	BERNAUER et al.	
	A43	4,749,403	06-07-1988	LIEBL et al.	
	A44	4,859,228	08-22-1989	PRISBYLLA	
	A45	4,873,256	10-10-1989	COUSSEDIERE et al.	
	A46	4,944,791	07-31-1990	SCHRÖDER et al.	
	A47	5,069,711	12-03-1991	FISCHER et al.	
	A48	5,614,620	03-25-1997	Liao et al.	
	A49	6,307,030	10-23-2001	French et al.	
	A50	5,071,773	12-10-1991	Evans et al.	
	A51	2005/0153968 A1	07-14-2005	Bi et al.	
	A52	7,271,188	09-18-2007	Tachibana et al.	
	A53	2007/0249697 A1	10-25-2007	Tachibana et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
	B8	EP 0 580 459 B1	01-26-1994	ROUSSEL UCLAF	
	B9	FR 2 693 461 A1	01-14-1994	ROUSSEL UCLAF	
	B10	WO 2006/124118 A1	11-23-2006	UNIV CALIFORNIA	
	B11	WO 2006/028226 A1	03-16-2006	CHUGAI SEIYAKU	

DC2/1054250

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/590,445 – Conf. No. 6734
				Filing Date	August 24, 2006
				First Named Inventor	Michael E. Jung
				Art Unit	1614
				Examiner Name	Savitha M Rao
Sheet	2	of	5	Attorney Docket Number	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>					

B12	EP 0 002 259 B1	10-03-1984	THE WELLCOME	
B13	EP 0 494 819 A1	01-08-1992	ROUSSEL-UCLAF	
B14	EP 0 578 516 A1	05-28-1993	ROUSSEL-UCLAF	
B15	EP 0 580 459 A1	05-28-1993	ROUSSEL-UCLAF	
B16	EP 0 721 944 B1	01-17-2001	SUNTORY LIMITED	
B17	EP 1 790 640 A	05-30-2007	Chugai Pharmaceutical Ltd	
B18	FR 2 715 402 - A1	01-05-1994	ROUSSEL UCLAF	
B19	FR 2 845 384 - A1	10-04-2002	LABORATOIRES FOURNIER S.A.	
B20	WO 02/053155 A1	07-11-2002	GERON CORPORATION	
B21	WO 02/081453 A1	10-17-2002	LABORATOIRES FOURNIER S.A.	
B22	WO 03/029245 A1	04-10-2003	BRISTOL-MYERS SQUIBB COMPANY	
B23	WO 03/093243 A1	11-13-2003	AVENTIS PHARMA DEUTSCHLAND GMBH	
B24	WO 2004/031160 A2	04-15-2004	LABORATOIRES FOURNIER S.A.	
B25	WO 97/19064	05-29-1997	ROUSSEL UCLAF	
B26	WO 97/19931	06-05-1997	AMERICAN HOME PRODUCTS CORPORATION	
B27	WO 03/096980	11-27-2003	Sun et al.	
B28	WO 05/089752	09-29-2005	Moon et al.	
B29	WO 06/010642	02-01-2006	Strobel et al.	
B30	WO 2007/127010	11-08-2007	UNIV CALIFORNIA	
B31	AU 217893 (cover page)	06-12-1958	Imperial Chemical Industries Limited	
B32	DE 2102605 (cover page)	07-29-1971	Sumitomo Chemical Co. Ltd.	
B33	EP 0017976 A2, A3	10-29-1980	F.Hoffmann-La Roche & Co.	
B34	EP 0017976 B1	06-22-1983	F.Hoffmann-La Roche & Co.	

DC2/1054250

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/590,445 – Conf. No. 6734
				Filing Date	August 24, 2006
				First Named Inventor	Michael E. Jung
				Art Unit	1614
				Examiner Name	Savitha M Rao
Sheet	3	of	5	Attorney Docket Number	
Information Disclosure Statement by Applicant <i>(Use as many sheets as necessary)</i>					

	B35	WO 2007/126765	11-08-2007	THE REGENTS OF THE UNIVERSITY OF	
	B36	JP 2019363 A	01-23-1990	FUJISAWA PHARMACEUTICAL CO., LTD.	T
	B37	EP0331232A2	09-06-1989	JANSSEN PHARMACEUTICA N.V.	
	B38	EP0572191A1	12-01-1993	ROHM AND HAAS COMPANY	
	B39	WO 2004/070050A2	08-19-2004	AVENTIS PHARMA S.A.	
	B40	WO 2003/057220A1 (abstract)	07-17-2003	GLAXO GROUP LTD., UK	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	C90	International Search Report issued in PCT Application No. PCT/US06/11417 dated July 3, 2006			
	C91	Extended European Search Report issued in European Patent Application No. EP 06748863.5, mailed on February 12, 2009.			
	C92	International Search Report issued in International Application No. PCT/US2007/007854, mailed on April 15, 2008.			
	C93	Written Opinion issued in International Application No. PCT/US2007/007854, mailed on April 15, 2008.			
	C93b	S.Ouk et al., "Development Of Androgen Receptor Inhibitors For Hormone-refractory Prostate Cancer", Prostate Cancer Foundation Meeting, Scottsdale, AZ, Sept. 29 - Oct. 1, 2005.			
	C94	Cousty-Berlin, et al., "Preliminary Pharmacokinetics and Metabolism of Novel Non-steroidal Antiandrogens in the Rat: Relation of their Systemic Activity to the Formation of a Common Metabolite," <i>J. Steroid Biochem. Molec. Biol.</i> , Vol. 51, No. 1/2, pp. 47-55 (1994).			
	C95	Feher, et al., "BHB: A Simple Knowledge-Based Scoring Function to Improve the Efficiency of Database Screening," <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 43, pp. 1316-1327 (2003).			
	C96	Foury, et al., "Control of the Proliferation of Prostate Cancer Cells by an Androgen and Two Antiandrogens. Cell Specific Sets of Responses," <i>J. Steroid Biochem. Molec. Biol.</i> , Vol. 66, No. 4, pp. 235-240 (1998).			
	C97	Goubet, et al., "Conversion of a Thiohydantoin to the Corresponding Hydantoin via a Ring-Opening/Ring Closure Mechanism, <i>Tetrahedron Letters</i> , Vol. 37, No. 43, pp. 7727-7730 (1996).			
	C98	Karvonen, et al., "Interaction of Androgen Receptors with Androgen Response Element in Intact Cells," <i>The Journal of Biological Chemistry</i> , Vol. 272, No. 25, pp. 15973-15979 (1997).			

DC2/1054250

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/590,445 – Conf. No. 6734
				Filing Date	August 24, 2006
				First Named Inventor	Michael E. Jung
				Art Unit	1614
				Examiner Name	Savitha M Rao
Sheet	4	of	5	Attorney Docket Number	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>					

C99	Kemppainen, et al., "Distinguishing Androgen Receptor Agonists and Antagonists: Distinct Mechanisms of Activation by Medroxyprogesterone Acetate and Dihydrotestosterone," <i>Mol. Endocrinol.</i> , Vol. 13, pp. 440-454 (1999); mend.endojournals.org,	
C100	Marhefka, et al., "Homology Modeling Using Multiple Molecular Dynamics Simulations and Docking Studies of the Human Androgen Receptor Ligand Binding Domain Bound to Testosterone and Nonsteroidal Ligands," <i>J. Med. Chem.</i> , Vol. 44, No. 11, pp. 1729-1740 (2001).	
C101	Matias, et al., "Local Inhibition of Sebaceous Gland Growth by Topically Applied RU 58841," <i>NY Acad. Sci.</i> , Vol. 761, pp. 56-65 (1995).	
C102	Sderholm, et al., "Three-Dimensional Structure – Activity Relationships of Nonsteroidal Ligands in Complex with Androgen Receptor Ligand-Binding Domain," <i>J. Med. Chem.</i> , Vol. 48, No. 4, pp. 917-925 (2005).	
C103	Sperry, et al., "Androgen binding profiles of two distinct nuclear androgen receptors in Atlantic croaker (<i>Micropogonias undulates</i>), <i>Journal of Steroid Biochemistry & Molecular Biology</i> , Vol. 73, pp. 93-103 (2000).	
C104	Zarghami, et al., "Steroid hormone regulation of prostate-specific antigen gene expression in breast cancer," <i>British Journal of Cancer</i> , Vol. 75, No. 4, pp. 579-588 (1997).	
C105	International Search Report issued in PCT Application PCT/US2007/07485, mailed on September 4, 2008	
C106	Written Opinion issued in PCT Application PCT/US2007/07485, mailed on September 4, 2008	
C107	International Search Report issued in International Application No. PCT/US2008/012149 mailed on April 29, 2009	
C108	Written Opinion issued in International Application No. PCT/US2008/012149, mailed on April 29, 2009.	
C109	Office Action issued in U.S. Patent Application 10/590,445, mailed on March 2, 2009	
C110	International Search Report issued in International Application No. PCT/US2007/007854, mailed on April 15, 2008	
C111	Written Opinion issued in International Application No. PCT/US2007/007854, mailed on April 15, 2008	
C112	International Search Report issued in PCT Application No. PCT/US2004/042221, mailed on June 20, 2005	
C113	Written Opinion issued in PCT Application No. PCT/US2004/042221, mailed on June 20, 2005	
C114	Written Opinion issued in PCT Application No. PCT/US2005/005529, mailed on November 10, 2005	
C115	Written Opinion issued in PCT Application No. PCT/US2006/011417, mailed on July 3, 2006	
C116	Data Sheet from U.S. Patent and Trademark Office (USPTO) File Wrapper for U.S. Serial Number 08/807,760	
C117	Notice of References Cited from U.S. Patent and Trademark Office (USPTO) File Wrapper for U.S. Serial Number 08/807,760	
C118	Office Action of 1/18/1994 from U.S. Patent and Trademark Office for U.S. Serial Number 08/064,257	
C119	Office Action (paper number 7) from U.S. Patent and Trademark Office for U.S. Serial Number 08/064,257	

DC2/1054250

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/590,445 – Conf. No. 6734
				Filing Date	August 24, 2006
				First Named Inventor	Michael E. Jung
				Art Unit	1614
				Examiner Name	Savitha M Rao
Sheet	5	of	5	Attorney Docket Number	58086-235854

C120	Office Action (paper number 10) from U.S. Patent and Trademark Office for U.S. Serial Number 08/064,257	
C121	Office Action of 8/14/1992 from U.S. Patent and Trademark Office for U.S. Serial Number 07/819,110	
C122	Notice of References Cited of 7/24/1992 from U.S. Patent and Trademark Office for U.S. Serial Number 07/819,110	
C123	Office Action of 2/22/1993 from U.S. Patent and Trademark Office for U.S. Serial Number 07/819,110	
C124	Office Action of 9/2/1993 from U.S. Patent and Trademark Office for U.S. Serial Number 07/819,110	
C125	Office Action of 6/1/1994 from U.S. Patent and Trademark Office for U.S. Serial Number 07/819,110	
C126	M.J. Linja et al., "Amplification and overexpression of androgen receptor gene in hormone-refractory prostate cancer", Cancer Research, vol. 61 (1 May 2001) pp. 3550-3555.	
C127	J. Holzbeierlein et al., "Gene Expression Analysis of Human Prostate Carcinoma during Hormonal Therapy Identifies Androgen-Responsive Genes and Mechanisms of Therapy Resistance", Am. J. Pathology, vol. 164, no. 1 (Jan. 2004) pp.217-227.	
C128	C.D. Chen et al., "Molecular determinants of resistance to antiandrogen therapy", Nature Medicine, vol. 10, no. 1 (Jan. 2004) pp.33-39.	
C129	Office Action of 7/23/2008 from U.S. Patent and Trademark Office for U.S. Serial Number 10/590,445	
C130	Karp et al., "Prostate Cancer Prevention: Investigational Approaches and Opportunities", Cancer Res., v. 56 (Dec. 15, 1996) pp. 5547-5556.	
C131	Graham and van der Eb, "A new technique for the assay of infectivity of human adenovirus 5 DNA", Virology, v. 52(2) (April 1973) pp. 456-467.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.